

# EUROPEAN PATENT OFFICE

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APPLICANT : TEIKOKU CHEM IND CORP LTD;

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TITLE : COLORING COMPOSITION

ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject composition containing a colorant and an ultraviolet and infrared-absorbing agent, capable of absorbing ultraviolet rays, etc., and useful for the coating of an inorganic material by adding a coloring agent to a sol-gel liquid composed of a homopolycondensation product of a phenyltrialkoxysilane, etc.

SOLUTION: The objective composition is produced by adding a coloring agent consisting of an organic compound decomposable at the melting temperature of glass to form a colorless product to a sol-gel liquid composed of a homopolycondensation product of a phenyltrialkoxysilane such as phenyltrimethoxysilane and phenyltriethoxysilane or a polycondensation product derived from a phenyltrialkoxysilane or its oligomer and a metal alkoxide such as an alkoxysilane compound or its oligomer. A colorless glass can be recovered by melting a used glass article coated with the composition to enable the reutilization of colored glass.

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